
Sequence Listing was accepted with existing errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)

217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Thu Jun 07 20:32:02 EDT 2007

Validated By CRFValidator v 1.0.2

Application No: 10633850 Version No: 2.1

Input Set:

Output Set:

Started: 2007-06-07 20:31:45.592 **Finished:** 2007-06-07 20:31:49.766

Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 174 ms

Total Warnings: 29

No. of SeqIDs Defined: 113

Actual SeqID Count: 113

Total Errors:

Error code		Error Description										
E	257	Invalid sequence data feature in <221> in SEQ ID (4)										
W	213	Artificial or Unknown found in <213> in SEQ ID (26)										
W	213	Artificial or Unknown found in <213> in SEQ ID (27)										
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W	213	Artificial or Unknown found in <213> in SEQ ID (30)										
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Input Set:

Output Set:

Started: 2007-06-07 20:31:45.592

Finished: 2007-06-07 20:31:49.766

Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 174 ms

Total Warnings: 29

Total Errors: 1

No. of SeqIDs Defined: 113

Actual SeqID Count: 113

Error code Error Description

W 213 Artificial or Unknown found in <213> in SEQ ID (45)

This error has occured more than 20 times, will not be displayed

SEQUENCE LISTING

\11\C		Hanley-Bowdoin, Linda Orozco, Beverly M. Gruissem, Wilhelm													
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				5					10					15	
				5					10					15	
Leu	Thr	Tyr			Cys	Ser	Leu			Glu	Glu	Ser			Gln
Leu	Thr	Tyr	Pro 20		Cys	Ser	Leu	Ser 25		Glu	Glu	Ser	Leu 30		Gln
Leu	Thr	Tyr			Cys	Ser	Leu			Glu	Glu	Ser			Gln
		Tyr	20	Gln				25	Lys				30	Ser	
			20	Gln				25	Lys				30	Ser	
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Leu	Gln	Ala 35	20 Leu	Gln	Thr	Pro	Ile 40	25 Asn	Lys	Lys	Phe	Ile 45	30 Lys	Ser	Cys
Leu	Gln Glu	Ala	20 Leu	Gln	Thr	Pro Gly	Ile 40	25 Asn	Lys	Lys	Phe His	Ile 45	30 Lys	Ser	Cys
Leu	Gln	Ala 35	20 Leu	Gln	Thr	Pro	Ile 40	25 Asn	Lys	Lys	Phe	Ile 45	30 Lys	Ser	Cys
Leu	Gln Glu	Ala 35	20 Leu	Gln	Thr	Pro Gly	Ile 40	25 Asn	Lys	Lys	Phe His	Ile 45	30 Lys	Ser	Cys
Leu Arg	Gln Glu 50	Ala 35	20 Leu His	Gln Asn Glu	Thr	Pro Gly 55	Ile 40 Gln	25 Asn Pro	Lys Lys His	Lys	Phe His 60	Ile 45 Val	30 Lys Leu	Ser Ile	Cys
Leu Arg	Gln Glu 50	Ala 35 Leu	20 Leu His	Gln Asn Glu	Thr	Pro Gly 55	Ile 40 Gln	25 Asn Pro	Lys Lys His	Lys	Phe His 60	Ile 45 Val	30 Lys Leu	Ser Ile	Cys
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Leu Arg Phe 65	Glu 50	Ala 35 Leu Gly	20 Leu His	Gln Asn Glu Tyr	Thr Asp Cys 70	Pro Gly 55 Cys	Ile 40 Gln	25 Asn Pro	Lys Lys His	Lys Leu Arg 75	Phe His 60	Ile 45 Val	10 Lys Leu	Ser Ile Ile	Cys Gln Val 80
Leu Arg Phe 65	Glu 50	Ala 35 Leu	20 Leu His	Gln Asn Glu Tyr	Thr Asp Cys 70	Pro Gly 55 Cys	Ile 40 Gln	25 Asn Pro	Lys Lys His	Lys Leu Arg 75	Phe His 60	Ile 45 Val	10 Lys Leu	Ser Ile Ile	Cys Gln Val 80

Ser Ser Ser Asp Val Lys Thr Tyr Ile Asp Lys Asp Gly Asp Thr Leu 100 105 110

Val	Trp	Gly 115	Glu	Phe	Gln	Val	Asp 120	Gly	Arg	Ser	Ala	Arg 125	Gly	Gly	Суз
Gln	Thr 130	Ser	Asn	Asp	Ala	Ala 135	Ala	Glu	Ala	Leu	Asn 140	Ala	Ser	Ser	Lys
Glu 145	Glu	Ala	Leu	Gln	Ile 150	Ile	Arg	Glu	Lys	Ile 155	Pro	Glu	Lys	Tyr	Leu 160
Phe	Gln	Phe	His	Asn 165	Leu	Asn	Ser	Asn	Leu 170	Asp	Arg	Ile	Phe	Asp 175	Lys
Thr	Pro	Glu	Pro 180	Trp	Leu	Pro	Pro	Phe 185	His	Val	Ser	Ser	Phe 190	Thr	Asn
Val	Pro	Asp 195	Glu	Met	Arg	Gln	Trp 200	Ala	Glu	Asn	Tyr	Phe 205	Gly	Lys	Ser
	Ala 210					215					220				
225	Arg				230					235					240
	Leu			245					250					255	
	His	_	260					265					270		
	Lys	275					280					285			
	290 Leu	_				295					300				
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_				325			-		330					335	

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                25 30
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Ser Lys Glu Glu Ala Leu Gln Ile Ile Arg Glu Lys Ile Pro Glu Lys
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                      40
                                      45
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Ser Ala Ala Ala Leu Gln Ile Ile Arg Glu Lys Ile Pro Glu Lys
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           55
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Ser Lys Glu Glu Ala Leu Gln Ile Ile Ala Ala Ile Pro Glu Lys 35 40 45

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Gly Cys Gln Thr Ser Asn Asp Ala Ala Ala Glu Ala Leu Asn Ala Ser
                       25
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     35 40 45
Tyr Leu Phe Ala Phe Ala Ala Leu Asn Ser Asn Leu Asp Arg Ile Phe
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        20
                      25
Ser Lys Glu Glu Ala Leu Gln Ile Ile Arg Glu Lys Ile Pro Glu Lys
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Ser Lys Glu Glu Ala Leu Gln Ile Ile Arg Glu Lys Ile Pro Glu Lys
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Tyr Leu Phe Gln Phe His Asn Leu Asn Ser Asn Leu Asp Arg Ile Phe
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Ser Lys Glu Glu Ala Leu Gln Ile Ile Arg Glu Lys Ile Pro Glu Lys
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     35
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                           25
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      35
                   40
                                          45
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Ser Ala Ala Ala Leu Gln Ile Ile Arg Glu Lys Ile Pro Glu Lys 35 40 45

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                         25
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                           40
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Asp Lys Thr Pro Glu Pro 65 70

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Tyr Leu Phe Gln Phe His Asn Leu Asn Ser Asn Leu Asp Arg Ile Phe
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